09/838,044 Filed: April 18, 2002

1851405

12 items, zero K available

Name	Date Modified	Size Kind
1051405>		Total downsories
pc 1851405.pro		
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5'	ATG Met	AAT Asr	146 ATO	G AGI	AAT Asn	155 GTA Val	ATO	GGA Gly	164 AAT Asn	' ACA	ACT Thr	173 TGG Trp	ACA	ACT Thr	182 AGT Ser	CCT	TTG Leu	191 AAG Lys
	AGC Ser	CAG	200 GGC Gl ₃	CGI	CTG Leu	209 TCA Ser	GTA	GGA Gly	218 AGT Ser	' AAT	CGT Arg	227 GAT Asp	CGA	GAG Glu	236 ATC Ile	AGC	ATG Met	245 TCT Ser
	GTT Val	GGT Gly	254 CTC Leu	GGA	AGA Arg	263 TCA Ser	CAA	TTA Leu	272 GAT Asp	TCT	AAA Lys	281 GGA Gly	GGA	GTA Val	290 GTT Val	GGA Gly	GGG Gly	299 ACC Thr
	ATA Ile	GAT Asp	308 GTC Val	AAT	GCT Ala	317 TTG Leu	GAG	ATG Met	326 GTT Val	GCT	CAT His	335 ATT Ile	TCT	GAA Glu	344 CAT His	CCA Pro	AAT Asn	353 CAG Gln
	CAA Gln	CCC Pro	362 AGT Ser	CAC	AAA Lys	371 ATT Ile	CAG	ATT Ile	380 ACT Thr	ATG	GGT Gly	389 TCT Ser	ACT	GAA Glu	398 GCT Ala	CGT Arg	GTT Val	407 GAT Asp
	TAC Tyr	ATG Met	416 GGC Gly	TCA	AGT Ser	425 ATC Ile	CTC	ATG Met	434 GGC Gly	ATC Ile	TTC Phe	443 AGT Ser	ААТ	GCT Ala	452 GAT Asp	CTT Leu	AAG Lys	461 CTT Leu
	CAG Gln	GAT Asp	470 GAA Glu	TGG	AAA Lys	479 GTA Val	AAC Asn	TTG Leu	488 TAT Tyr	AAT Asn	ACA Thr	497 TTG Leu	GAT Asp	TCA Ser	506 AGC Ser	ATA Ile	ACT Thr	515 GAT Asp
	AAA Lys	AGT Ser	524 GAG Glu	ATT Ile	TTC Phe	533 GTC Val	CAT His	GGA Gly	542 GAT Asp	TTG Leu	AAG Lys	551 TGG Trp	GAT	ATT Ile	560 TTC Phe	CAA Gln	GTA Val	569 ATG Met
	ATA Ile	TCA Ser	578 AGG Arg	TCA Ser	ACC Thr	587 ACA Thr	CCA Pro	GAT Asp	596 CTG Leu	ATA Ile	AAA Lys	605 ATA Ile	GGA Gly	ATG Met	614 AAG Lys	CTC Leu	CAG Gln	623 GAA Glu
	TTT Phe	TTC Phe	632 ACA Thr	CAA Gln	CAA Gln	641 TTT Phe	GAT Asp	ACC Thr	650 AGC Ser	AAA Lys	CGA Arg	659 GCT Ala	CTG Leu	TCT Ser	668 ACC Thr	TGG Trp	GGA Gly	677 CCA Pro
	GTT Val	CCT Pro	686 TAC Tyr	CTT Leu	CCG Pro	695 CCA Pro	AAG Lys	ACA Thr	704 ATG Met	ACT Thr	AGC Ser	713 AAC Asn	CTA Leu	GAA Glu	722 AAA Lys	AGT Ser	TCA Ser	731 CAA Gln
,	GAA Glu	CAA Gln	740 TTA Leu	CTT Leu	GAT Asp	749 GCA Ala	GCA Ala	CAT His	758 CAT His	CGA Arg	CAC His	767 TGG Trp	CCT Pro	GGA Gly	776 GTA Val	TTG Leu	AAG Lys	785 GTG Val
,	GTA Val	TCA Ser	794 GGA Gly	TGC Cys	CAC His	803 ATA Ile	TCC Ser	TTA Leu	812 TTT Phe	CAG Gln	ATT Ile	821 CCA Pro	TTA Leu	CCA Pro	830 GAA Glu	GAT Asp	GGA Gly	839 ATG Met
(CAA		848 GGA	GGA	TCA	857 ATG	AGC	TTA	866 CAT	GGA	ААТ	875 CAT	ATG	ACA	884 CTG	GCA	TGT	893 TTT

Gln Phe Gly Gly Ser Met Ser Leu His Gly Asn His Met Thr Leu Ala Cys Phe CAT GGT CCA AAT TTT CGT TCA AAA TCT TGG GCC CTT TTT CAT TTA GAA GAA CCA His Gly Pro Asn Phe Arg Ser Lys Ser Trp Ala Leu Phe His Leu Glu Glu Pro AAT ATT GCT TTT TGG ACT GAA GCT CAG AAA ATC TGG GAA GAT GGC TCC AGT GAT Asn Ile Ala Phe Trp Thr Glu Ala Gln Lys Ile Trp Glu Asp Gly Ser Ser Asp CAT TCT ACA TAT ATT GTA CAA ACA CTA GAT TTT CAC CTG GGT CAT AAT ACT ATG His Ser Thr Tyr Ile Val Gln Thr Leu Asp Phe His Leu Gly His Asn Thr Met GTT ACC AAA CCA TGT GGT GCT TTG GAA AGT CCT ATG GCA ACA ATA ACC AAG ATA Val Thr Lys Pro Cys Gly Ala Leu Glu Ser Pro Met Ala Thr Ile Thr Lys Ile ACA AGG CGT CGC CAT GAA AAT CCA CCC CAT GGA GTA GCA AGT GTG AAA GAA TGG Thr Arg Arg Arg His Glu Asn Pro Pro His Gly Val Ala Ser Val Lys Glu Trp TTC AAT TAT GTT ACA GCT ACA AGG AAT GAA GAG CTA AAT CTG CTT CGT AAT GTT Phe Asn Tyr Val Thr Ala Thr Arg Asn Glu Glu Leu Asn Leu Leu Arg Asn Val GAT GCT AAC AAC ACT GAG AAT AGC ACT ACT GTG AAG AAT TCT AGT TTG TTG AGT Asp Ala Asn Asn Thr Glu Asn Ser Thr Thr Val Lys Asn Ser Ser Leu Leu Ser GGA TTC AGA GGA GGT TCT AGC TAC AAC CAT GAA ACA GAG ACT ATC TTT GCA TTA Gly Phe Arg Gly Gly Ser Ser Tyr Asn His Glu Thr Glu Thr Ile Phe Ala Leu CCA AGG ATG CAG CTT GAC TTT AAA TCC ATT CAT GTT CAA GAA CCA CAG GAG CCT Pro Arg Met Gln Leu Asp Phe Lys Ser Ile His Val Gln Glu Pro Gln Glu Pro TCA TTA CAG GAT GCC AGC CTG AAG CCA AAA GTA GAA TGT AGT GTG GTG ACA GAG Ser Leu Gln Asp Ala Ser Leu Lys Pro Lys Val Glu Cys Ser Val Val Thr Glu TTC ACT GAC CAC ATT TGT GTG ACT ATG GAT GCT GAG CTC ATC ATG TTT CTT CAT Phe Thr Asp His Ile Cys Val Thr Met Asp Ala Glu Leu Ile Met Phe Leu His GAT TTA GTA TCA GCT TAT CTT AAA GAA AAA GAA AAA GCC ATC TTT CCA CCT CGG Asp Leu Val Ser Ala Tyr Leu Lys Glu Lys Glu Lys Ala Ile Phe Pro Pro Arg ATT TTA TCT ACT CGA CCA GGA CAA AAA AGT CCA ATT ATT ATA CAT GAC GAC AAT Ile Leu Ser Thr Arg Pro Gly Gln Lys Ser Pro Ile Ile Ile His Asp Asp Asn

TCC TCT GAT AAA GAT AGA GAA GAT AGC ATC ACT TAT ACT ACT GTG GAC TGG AGA Ser Ser Asp Lys Asp Arg Glu Asp Ser Ile Thr Tyr Thr Thr Val Asp Trp Arg GAT TTT ATG TGC AAT ACA TGG CAC CTA GAA CCT ACT CTT AGA TTA ATT TCT TGG Asp Phe Met Cys Asn Thr Trp His Leu Glu Pro Thr Leu Arg Leu Ile Ser Trp ACT GGA AGA AAG ATT GAT CCA GTA GGT GTT GAT TAT ATT CTT CAA AAA TTG GGC Thr Gly Arg Lys Ile Asp Pro Val Gly Val Asp Tyr Ile Leu Gln Lys Leu Gly TTT CAT CAT GCT AGG ACT ACT ATT CCT AAA TGG CTT CAA AGA GGA GTC ATG GAT Phe His His Ala Arg Thr Thr Ile Pro Lys Trp Leu Gln Arg Gly Val Met Asp CCA CTG GAC AAG GTT CTG TCA GTT CTT ATC AAA AAG CTC GGT ACT GCA CTA CAG Pro Leu Asp Lys Val Leu Ser Val Leu Ile Lys Lys Leu Gly Thr Ala Leu Gln Asp Glu Lys Glu Lys Lys Gly Lys Asp Lys Gu Glu His ***

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June 21, 1999

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N-myristoylation site * N-glycosylation site *
Casein kinase II phosphorylation site *

Protein kinase C phosphorylation site *

rosine kinase phosphorylation site

N7 N361 N365 N371 N484
S25 S40 S100 S121 T147 S189
S194 S336 T347 S413 S486 T497
G36 G46 G47 G81 G97 G217 G231
G235 G242 G381
S25 S73 T123 T168 S169 T323
S336 T368 S418 S469 S486 T514
T521
Y496

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Exhibit D 09/838,044 Filed: April 18, 2002